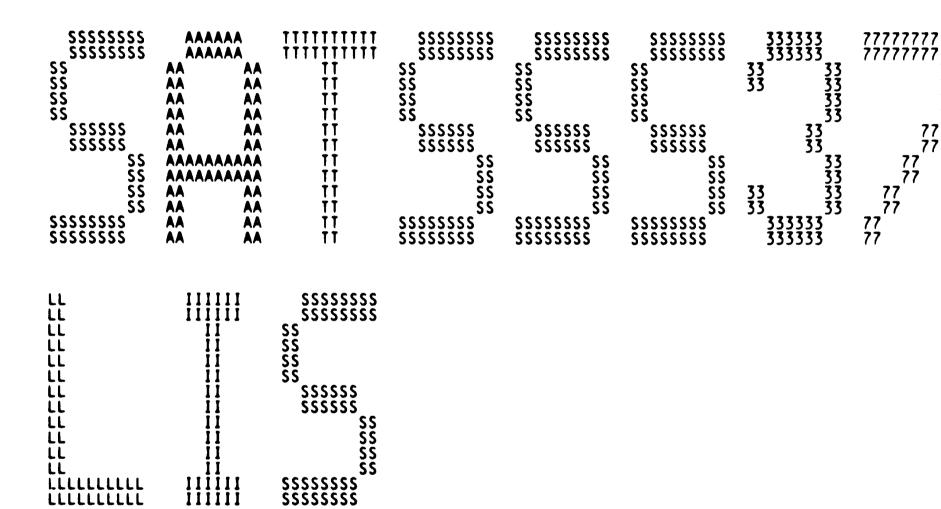
UUU UUU	UUU UUU			PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	\$	YYY YYY
UUU UUU	UUU UUU	EEE		PPF PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	SSSSSSSSSSS SSS	YYY YYY
UUU	UUU	EEE	111	PPP PPP		YYY YYY
UUU	ŬŬŬ	ĔĔĔ	ήήή	PPP PPP		YYY YYY
ŬŬŬ	ŬŬŬ	ĔĔĔ	İİİ	PPP PPP		'''YYY YYY'''
ŬŬŬ	ŨŨŨ	ĔĔĔ	ŤŤŤ	PPP PPP		ÝÝÝ ÝÝÝ
UUU	UUU	ÉEÉ	TTT	PPP PPP		YYY YYY
UUU	UUU	EEEEEEEEEE	TTT	PPPPPPPPPPP	SSSSSSSS	YYY
UUU	UUU	EEEEEEEEEE	TTT	PPPPPPPPPPP	SSSSSSSS	YYY
UUU	UUU	EEEEEEEEEEE	ŢŢŢ	PPPPPPPPPPP	SSSSSSSS	YYY
UUU	UUU	EEE	ŢŢŢ	PPP	SSS	YYY
UUU	UUU	EEE	TTT	PPP	SSS	YYY
UUU	UUU	EEE	TTT	PPP	SSS	YYY
UUU	UUU	EEE	TTT	PPP	SSS	YYY
UUU	UUU	EEE	TTT	PPP	SSS	YYY
UUU	UUU	EEE	TTT	PPP	SSS	YYY
	JUUUUUUUU	EEEEEEEEEEEEE	TTT	PPP	SSSSSSSSSS	YYY
	UUUUUUUU	EEEEEEEEEEEEE	TTT	PPP	SSSSSSSSSS	YYY
UUUUUUU	UUUUUUUU	EEEEEEEEEEEEE	TTT	PPP	SSSSSSSSSS	YYY



S

SATSSS37 Table of contents	I 12 SATS SYSTEM SERVICE TESTS \$SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00
(1) 56 (1) 107 (1) 146 (1) 237 (1) 330 (1) 423 (1) 541	DECLARATIONS CONDITION TABLES TM SETUP, TM CLEANUP CONDITION SUBROUTINES - SETUP AND CLEANUP FORM CONDS VERIFY VFY_CLEANUP

Page 0

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SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
                                                                                                              Page
                             .TITLE SATSSS37 SATS SYSTEM SERVICE TESTS $SUSPND (SUCC S.C.)
.IDENT 'V04-000'
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      0000
      0000
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      0000
      0000
                        COPYRIGHT (c) 1978, 1980, 1982, 1984 BY
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                        DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.
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                        AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY DIGITAL EQUIPMENT
                        CORPORATION.
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                         SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.
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      0000
                   ; FACILITY:
      0000
                                       SYSTST (SATS SYSTEM SERVICE TESTS)
      0000
      0000
                      ABSTRACT:
      0000
                34
35
                     THIS MODULE CONTAINS SUBROUTINES WHICH, WHEN LINKED WITH SUCCOMMON.OBJ, FORM TEST MODULE SATSSS37 TO TEST SUCCESSFUL OPERATION OF THE $SUSPND SYSTEM SERVICE. THE SERVICE IS INVOKED
      0000
      0000
                36
37
      0000
                      UNDER VARIOUS INPUT CONDITIONS WITH VARYING INPUT PARAMETERS. ONLY
      0000
                38
39
      0000
                      SUCCESSFUL STATUS CODES ARE EXPECTED IN THIS TEST MODULE. CORRECT
                     OPERATION OF THE SERVICE FOR EACH OF ITS ISSUANCES IS VERIFIED BY CHECKING FOR AN SS$ NORMAL STATUS CODE, EXPECTED RETURN ARGUMENTS AND EXPECTED FUNCTIONALITY PERFORMED.
      0000
      0000
                40
                41
      0000
               42
      0000
      0000
                      ENVIRONMENT: USER MODE IMAGE; NEEDS CMKRNL PRIVILEGE,
                44
      0000
                                       DYNAMICALLY ACQUIRES OTHER PRIVILEGES, AS NEEDED.
      0000
```

AUTHOR: THOMAS L. CAFARELLA,

CREATION DATE: JUL, 1977

(1)

MODIFIED BY:

**VERSION 1.50 : 25-MAY-79** 

)1 LDJ 10/11/79 Fixed bug caused by DIB\$K\_LENGTH change ACG052.RNO mem

50 : 0 51 : 0 53 : --

SATSSS37 V04-000

```
SBTTL DEC

SPRVDEF

SPRVDEF

SPHDDEF

SPUDEF

SPUDEF

SPUDEF

SPUDEF

SPUBDEF

SDIBDEF

65:

66: MACROS:

67:

68:

69: EQUATED SYMBOLS:

71:

72: OWN STORAGE:

73:
0000
0000
0000
0000
                                            .SBTTL DECLARATIONS
                                                                                                                       ; PRIVILEGE BIT DEFINITIONS
                                                                                                                      : PROCESS HEADER OFFSETS
: PROCESS QUOTA CODES
: PCB LABELS
: DEVICE INFO BLOCK OFFSETS
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SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
                                                                                                                                                                                                                                                                                                                                                                    Page
                                                                                                                                                                                                                                                                                                                                                                                            (1)
                                                   75 .PSECT RODATA, RD, NOWRT, NOEXE, LONG
76 TEST_MOD_NAME:: STRING C, <SATSSS37> ;
77 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
78 MESST_MOD_NAME_D: STRING I, <SATSSS37> ;
79 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
72 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
73 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
74 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
77 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
78 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
79 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
79 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
70 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
71 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
72 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
73 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
74 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING I, <SATSSS37> ;
75 TEST_MOD_NAME_D: STRING 
     00000000
                    0000
                                                                                                                                                                                                                          ; TEST MODULE NAME
; TEST MODULE NAME DESCRIPTOR
                     0019
                                                     78 MSG1_INP_CTL: STRING I,< SSSUS!4ZW: CONDITIONS:>
                     0039
                                                                                                                                                                                                                             : FAO CTL STRING FOR MSG1 IN SUCCOMMON.MAR
                                                    80 MSG3_ERR_CTL:: STRING I, < *SSSUS!4ZW: !AS>
                     0039
                     0051
                                                                                                                                                                                                                            ; FAO CTL STRING FOR MSG3 IN SUCCOMMON.MAR
                                                    82 SUBJPRN:
83 IMAGNAM:
                                                                                                                              STRING I, <SATSSS37 CRE> : PROCESS & MBA NAME FOR CREATED PROCESS STRING I, <SYSTST$RES: SATSUTO8.EXE> ; IMAGE NAME FOR CREATED PROC
                     0051
                     0065
                                                                                                                                                                                                                            ; INFINITE CPU
; BYTE LIMI: +38 BUFFERED I/O
                     0084
                                                     84 QUOTALIST:
                                                                                                                              SQUOTA CPULM, O
                                                                                                                              $QUOTA BYTEM,512
$QUOTA FILLM,2
                     0089
                                                    85
                     008E
0093
                                                                                                                                                                                                                                  OPEN FILE COUNT LIMIT
                                                    87
                                                                                                                                                                                                                            ; PAGING FILE QUOTA
                                                                                                                              $QUOTA PGFLQUOTA, 10
                                                                                                                              $QUOTA PRCLM,2
$QUOTA TQELM,3
                     0098
                                                     88
                                                                                                                                                                                                                            : SUBPROCESS QUOTA
                     0090
                                                     89
                                                                                                                                                                                                                            ; TIMER QUEUE ENTRY QUOTA
                     00A2
                                                     90
                                                                                                                              SQUOTA LISTEND
                                                                                                                                                                                                                             : DEFINES END OF LIST
```

\$\$\$\$\$\$\$\$\$\$\$\$

0000000

144

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N 12
SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
                                                                                                                         Page
                                                                                                                                 5 (1)
                     107
108
109
110
111
                                     .SBTTL CONDITION TABLES
                                     **** CONDITION TABLES FOR SUSPND SYSTEM SERVICE *****
                                               1, NOTARG, <PID ADDRESS>, -
<NOT SPECIFIED>, -
                                     COND
                                                 <SPECIFIED, NON-ZERO>,-
                                                 <SPECIFIED, ZERO>,-
                     116
00000000
            016B
                                                    .ADDRESS
00000110
            016F
0173
0177
0177
                                                    .ADDRESS
                                                                   SUBJPID
                     118
                                                    .ADDRESS
                                                                   ZEROPID
                     119
                                               120
121
123
124
126
127
128
129
130
                                     COND
             0177
             0177
                                                 <NOT SPECIFIED>.-
             0177
00000051' 01AD
                                                    .ADDRESS
                                                                   SUBJPRN
00000000
            01B1
                                                    .ADDRESS
             01B5
             0185
                                     COND
                                               3, NOTARG, < PROCESS TYPE>,-
             01B5
                                                 <SELF>,-
             01B5
                                                 <SUBPROCESS>.-
             0185
                                                 <DETACHED, DIFFERENT GROUP>,-
             01B5
                                                 <DETACHED, SAME GROUP, SAME MEMBER>,-
<DETACHED, SAME GROUP, DIFFERENT MEMBER>,-
             01B5
             01B5
            024A
FFFFFFF
                                                    .LONG
                                                                   ^XFFFFFFFF ; PSEUDO-UIC
            024E
0252
0000000
                      135
                                                    .LONG
                                                                                   PSEUDO-UIC
00000256
0000025A
                     136
137
                                                                                   UIC
                                                    .BLKL
            0256
                                                                                   UIC
                                                    .BLKL
            025A
025E
025E
025F
0000025E
                     138
                                                    .BLKL
                                                                                   UIC
                     139
                     140
                                    COND
                                               4, NULL
                     141
142
143
            025F
                                     COND
                                               5, NULL
             0260
```

.PSECT SATSSS37,RD,WRT,EXE

I CPSPSPCA T4TS

Ĩ

SA

VA

Ma

To

89

Th

```
52
53
54
55
                                                                                           R2
R3
                                                 0000
                                                            189
                                                                               CLRL
                                                                                                                                    INITIALIZE
                                                 0002
                                                            190
                                                                                                                                    .. CONDITION
                                                                               CLRL
                                                 0004
                                                            191
                                           D4
                                                                                            R4
                                                                               CLRL
                                                                                                                                    .... TABLE
                                                            192
193
                                                 0006
                                           04
                                                                               CLRL
                                                                                           R5
                                                                                                                                    ..... INDEX
                                           D4
30
                                                 0008
                                                                               CLRL
                                                                                                                                                 REGISTERS
                                                                                            R6
                                                                                           MOD_MSG_PRINT ; PRINT TEST MODULE BEGIN MSG
TEST_MOD_SUCC_TMD_ADDR ; ASSUME END MSG WILL SHOW SUCCESS
#SUCCESS,#0,#3,MOD_MSG_CODE ; ADJUST STATUS CODE FOR SUCCESS
                                                 000A
                                                            194
                                FFF3
                                                                               BSBW
                     00000000'EF
0000000'8F
0000000'EF
                                           DE
                                                 COOD
                                                            195
                                                                               MOVAL
                                                 0018
      03
             00
                                                            196
                                                                               INSV
                     00000000'EF
                                                  0020
                                                                                           TO,5% KRNL ; KERNEL MODE TO ACCESS PHO

a#CTL$GL PHD,R9 ; GET PROCESS HEADER ADDRESS

PHD$Q PRIVMSK(R9), PRIVMASK ; GET PRIV MASK ADDRESS

FROM,5% ; BACK TO USER MODE
                                                  0025
                                                            197
                                                                               MODE
                                                                                                                                    KERNEL MODE TO ACCESS PHD
                     00000000°9F
                                                  0048
                                                            198
                                                                               MOVL
                                                                                                                                    GET PROCESS HEADER ADDRESS
                                           D0
              0000000'EF 69
                                           DĚ
                                                 004F
                                                            199
                                                                               MOVAL
                                                             200
201
                                                  0056
                                                                               MODE
                                                  0057
                                                                               PRIV
                                                                                            ADD, ALL
                                                                                                                                 ; GET ALL PRIVILEGES
```

SATSSS37 V04-000	SATS SYSTEM SERVICE TESTS \$SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 Page 7 TM_SETUP, TM_CLEANUP 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1 (1)
	0077 202 \$SETPRN S TEST_MOD_NAME_D ; SET PROCESS NAME 0084 203 SS_CHECK NORMAL ; CHECK STATUS CODE RETURNED FROM SETPRN 0082 204 SWAKE_S SELFPID ; GET MY PID 00C1 205 SS_CHECK NORMAL ; CHECK FOR NORMAL RETURN 00EF 206 SHIBER S ; UNDO ABOVE WAKE 00F6 207 SS_CHECK NORMAL ; CHECK FOR NORMAL RETURN 0124 208; 0124 209; THE FOLLOWING CODE ESTABLISHES UIC'S IN THE CONDITION 3 TABLE 0124 210; 0124 211 MODE TO 20\$, KRNL ; KERNEL MODE TO ACCESS PCB 00 0147 212 MOVL @#SCH\$GL_CURPCB,R9 ; GET CURRENT PCB ADDRESS
59 00000000'9F 59 00BC C9	0124 211 MODE TO,20\$,KRNL ; KERNEL MODE TO ACCESS PCB DO 0147 212 MOVL @#SCH\$GL_CURPCB,R9 ; GET CURRENT PCB ADDRESS DO 014E 213 MOVL PCB\$L_UIC(R9),R9 ; PICK UP UIC FROM PCB 0153 214 MODE FROM.ZO\$ : AND GET BACK TO USER MODE
5A 02 59 00010000 8F 0000024A'EF4A	0154 215; 0154 216; R9 NOW CONTAINS 'MY'' UIC 0154 217; 9A 0154 218 MOVZBL #2,R10 ; GET COND3 TABLE INDEX NUMBER INTO A REG C1 0157 219 ADDL3 #^X10000,R9,COND3_EER10]; PUT DIFF GROUP UIC INTO 3RD TABLE ELT 015E
0000024A'EF4A 59 5A 0000024A'EF4A 59 01	D6 0164 220 INCL R10 ; POINT TO 4TH COND3 TABLE ELEMENT D0 0166 221 MOVL R9, COND3_E[R10] ; PUT MY UIC INTO TABLE D6 016E 222 INCL R10 ; POINT TO 5TH COND3 TABLE ELEMENT C1 0170 223 ADDL3 #1,R9,COND3_E[R10] ; PUT DIFF MEMBER UIC INTO THE TABLE O179 224 \$CREMBX_S CHAN=MBXCRAN, LOGNAM=SUBJPRN, - ; GET MAILBOX FOR PROCESS O179 225 MAXMSG=#120, PROMSK=#0, BUFQUO=#240 O19E 226 SS_CHECK NORMAL ; CHECK NORMAL COMPLETION
00000088'EF 00000020'EF	01CC 227 \$GETCHN_S CHAN=MBXCHAN, - ; GET CHAN INFO (UNIT NUMBER) 01CC 228 PRIBUF=MBXCHANINFO 01E6 229 SS_CHECK NORMAL ; CHECK NORMAL COMPLETION 3C 0214 230 MOVZWL MBXCHANINFO+8+DIB\$W_UNIT, MBXUNIT ; SAVE MAILBOX UNIT NUMBER 05 021F 231 RSB : RETURN TO MAIN ROUTINE
FDCF*	0220 232 TM_CLEANUP:: 0220 233

```
SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 CONDITION SUBROUTINES - SETUP AND CLEANU 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
                                         .SBTTL CONDITION SUBROUTINES - SETUP AND CLEANUP
                     : FUNCTIONAL DESCRIPTION:
                             CONDX AND CONDX CLEANUP ARE SUBROUTINES WHICH ARE EXECUTED BEFORE AND AFTER THE VERIFY SUBROUTINE, RESPECTIVELY, WHENEVER A NEW CONDITION X VALUE IS SELECTED (SEE FUNCTIONAL DESCRIPTION OF SUCCOMMON ROUTINE IN SUCCOMMON.MAR). ANY SETUP FUNCTION PARTICULAR TO THE CONDITION X TABLE IS INCLUDED IN THE CONDX SUBROUTINE AND CLEANED UP, IF NECESSARY, IN THE COND CLEANUP SUBROUTINE. THIS INCLUDES, ESPECIALLY, CODE TO DETECT CONFLICTS AMONG CURRENT ENTRIES IN TWO
                              OR MORE CONDITION TABLES. IF A CONFLICT IS DETECTED, A NON-ZERO VALUE IS STORED INTO CONFLICT, WHICH CAUSES THE CALLING ROUTINE
                            ; (SUCCOMMON) TO SKIP THE CURRENT ENTRY IN THE CONDITION X TABLE.
                              CALLING SEQUENCE:
                                         BSBW CONDX BSBW CONDX_CLEANUP WHERE X = 1,2,3,4,5
                     255
                     257
                           ; INPUT PARAMETERS:
                     259
                                         CONFLICT = 0
                     261
                           : IMPLICIT INPUTS:
                     263
                                         R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES
                                            FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
                     265
                              OUTPUT PARAMETERS:
                     267
                                         CONFLICT SET TO NON-ZERO IF COND TABLE CONFLICT DETECTED.
                            : IMPLICIT OUTPUTS:
                                         R2.3.4.5.6 PRESERVED
                           : COMPLETION CODES:
                                         NONE
                    278
279
280
281
                           ; SIDE EFFECTS:
                                         NONE
                     282
283
                     284
                     285
        0232
0232
0233
                     286 COND1:: 287
  05
                                         RSB
                                                                                                : RETURN TO MAIN ROUTINE
                    288 COND1_CLEANUP::
289 RSB
290 COND2::
291 RSB
292 COND2_CLEANUP::
293 RSB
  05
        0233
                                                                                                : RETURN TO MAIN ROUTINE
         0234
  05
        0234
                                                                                                : RETURN TO MAIN ROUTINE
         0235
```

: RETURN TO MAIN ROUTINE

SATSSS37 V04-000		SATS	SYSTEM SEF	RVICE TES DUTINES -	STS \$SUS - SETUP	E 13 SPND (SUCC 16-SEP-1984 AND CLEANU 5-SEP-1984	00:51:44	1	
0000016B'EF42	0000011C'8F 20 000001AD'EF43 07 02 54 20 10	D1 13 D5 13 D1 13	0676 30	COND3::	CMPL BEQLU TSTL BEQL CMPL BEQL BRB	#SUBJPID, COND1_E[R2] 10\$ COND2_E[R3] 5\$ R4,#2 20\$	; NON-ZERO PID SPECIFIED ? ; YES PROCESS IS 'OTHER' ; IS PROCESS NAME SPECIFIED ? ; NO SUBJECT PROCESS IS 'SELF' ; DOES CONDITION 3 SPECIFY DIFFERENT GROUP ? ; YES PROCESS NAME FOR DIFF GROUP IS CONF ; NO MAKE SURE COND 3 SPECIFIES 'OTHER'	•	
0000024A'EF44	00000000'EF 1B 0E	D1 13 11	0254 304 0254 305 0254 306 0260 307 0262 308 0264 309	PROCE 5 : 6 : 9 10\$:	CMPL BEQLU BRB	ONES,COND3_E[R4] COND3X 20\$	: DGES CONDITION 3 SPECIFY 'SELF''? : YES THEN ALL 3 CONDIT'NS ARE CONSISTENT : NO INDICATE CONFLICT & GET OUT	•	
0000024A'EF44	00000000'EF 0B	D1 12	027E 319 027E 320 027F 321 027F 322 0280 323 0280 324 0281 325 0281 326	027E 319 027E 320 027F 321 027F 322 0280 323 0280 324 0281 325 0281 326 0282 327		CMPL BNEQU	ONES_COND3_E[R4] COND3X	; DOES CONDITION 3 SPECIFY "SELF" ? ; NO THEN ALL 3 CONDITIONS ARE CONSISTENT	ľ
0000000°EF	0000000'EF	90 05 05 05 05 05			COND3X: COND3_C COND4:: COND4_C COND5::	MOVB  RSB  RSB  RSB  LEANUP:  RSB  RSB  LEANUP:  RSB	ONES, CONFLICT	; YES INDICATE CONFLICT ; RETURN TO MAIN ROUTINE ; RETURN TO MAIN ROUTINE ; RETURN TO MAIN ROUTINE ; RETURN TO MAIN ROUTINE ; RETURN TO MAIN ROUTINE ; RETURN TO MAIN ROUTINE	

```
SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
SATSSS37
                                                                                                                                                                                Page
V04-000
                                                                                                                                                                                         (1)
                                                                                .SBTTL FORM CONDS
                                                                       FUNCTIONAL DESCRIPTION:
                                                                                           FORM CONDS FORMATS AND PRINTS INFORMATION ABOUT
                                                                         THE CURRENT ELEMENT IN EACH OF THE CONDITION TABLES.
                                                                       CALLING SEQUENCE:
                                                               339
                                                                                BSBW FORM_CONDS
                                                                       INPUT PARAMETERS:
                                                                                NONE
                                                     0283
                                                     0283
                                                                       IMPLICIT INPUTS:
                                                               346
347
                                                     0283
                                                                                R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY. FOR X = 1,2,3,4,5:
                                                     0283
                                                                                            CONDX_T - TITLE TEXT FOR CONDX TABLE
                                                                                           CONDX TAB - ELEMENT TEXT FOR CONDX TABLE CONDX C - CONTEXT OF THE CONDX TABLE CONDX E - DATA ELEMENTS OF THE CONDX TABLE
                                                               354
355
                                                                       OUTPUT PARAMETERS:
                                                               356
357
358
359
360
361
363
                                                                                NONE
                                                                       IMPLICIT OUTPUTS:
                                                                                NONE
                                                                       COMPLETION CODES:
                                                               364
                                                               365
                                                                                NONE
                                                               366
                                                               367
                                                                       SIDE EFFECTS:
                                                               368
                                                               369
370
371
372
373
                                                                                NONE
                                                                    FORM_CONDS::
                                                                                SFAO_S
                                                                                           MSG1_INP_CTL,FAO_LEN,FAO_DESC,TESTNUM
                                                                                                                                FORMAT CONDITIONS HEADER MSG
                                                     02A2
02A5
02A8
                                                                                           OUTPUT_MSG
                                                                                                                                 ... AND PRINT IT
                                     FD5B'
                                                                                BSBW
                                        00
                                               91
                                                                                           #COND1_C,#NULL
                                                                                                                                 IS CONDITION 1 NULL ?
                                                                                CMPB
                                                               380
381
382
383
                                               12
                                                                                                                                NO -- CONTINUE
                                                                                BNEQU
                                                                                           10$
                                               31
                                                     02AA
                                                                                           FORM CONDSX
                                                                                                                              : YES -- SUBROUTINE IS FINISHED
                                     00BF
                                                                                BRW
                                                     DASO
                                                                    105:
                                                                                MOVAL COND1_T,MSG_A ; SAVE ADDRESS OF CONDITION 1 TITLE FOR MOVB COND1_TABER2],MSG_B ; SAVE ADDR OF COND 1 CURR TEXT ELT FOR MOVB COND1_L,MSG_CTXT ; SAVE CONDITION 1 CONTEXT FOR FAO MOV_VAL COND1_C,CONDT_EER2],MSG_DATA1 ; GIVE COND 1 DATA VALUE TO FAO
                                                     02AD
                                                                                                                                 SAVE ADDRESS OF CONDITION 1 TITLE FOR FAO
       0000000'EF
                           00000120'EF
                                               DE
                                                     02B8
02C4
                                                                                                                                SAVE ADDR OF COND 1 CURR TEXT ELT FOR FAO
                       00000120 EF42
                                               DŌ
                                                               384
    00000001EF
                    00000000'EF
                                               90
                                                               385
                                        00
```

386

02CB

```
SATSSS37
                                                  SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00
                                                                                                                     5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
V04-000
                                                  FORM_CONDS
                                                                                                                                                                                                            (1)
                                                                     3889
3889
3991
3993
                                                          02CB
02CE
02D1
92D3
                                                    30
91
                                                                                                     WRITE_MSG2
#COND2_C,#NULL
                                                                                                                                             FORMAT AND WRITE CONDITION 1 MSG IS CONDITION 2 NULL ?
                                         FD32'
                                                                                        BSBW
                                            00
                                    14
                                                                                         CMPB
                                                                                        BNEQU
                                                                                                     20$
                                                                                                                                             NO -- CONTINUE
                                                    31
                                         0096
                                                                                                     FORM_CONDSX
                                                                                                                                           : YES -- SUBROUTINE IS FINISHED
                                                                                        BRW
                                                          02D6
02ED
02ED
02F4
02FF
02FF
                                                                           205:
                              00000177'EF
                                                                                                                                             SAVE ADDRESS OF CONDITION 2 TITLE FOR FAO SAVE ADDR OF COND 2 CURR TEXT ELT FOR FAO SAVE CONDITION 2 CONTEXT FOR FAO
        00000001EF
                                                                                                    COND2_T,MSG_A
COND2_TABLR3],MSG_B
                                                                                         MOVAL
     0000000'EF
                          0000018D'EF43
                                                    DO
90
                                                                                         MOVL
                                                                                                    #COND2_C, MSG_CTXT ; SAVE CONDITION 2 CONTEXT FOR FAO COND2_C, COND2_E[R3], MSG_DATA1 ; GIVE COND 2 DATA VALUE TO FAO WRITE_MSG2 ; FORMAT AND WRITE CONDITION 2 MSG
                                                                      394
                      00000001EF
                                                                                        MOVB
                                                                                        MOV VAL
                                                                      395
                                                    30
91
• 2
51
                                                                      396
397
                                         FD09'
                                                                                                     #COND3_C,#NULL
                                            00
                                    14
                                                                                        CMPB
                                                                                                                                              IS CONDITION 3 NULL ?
                                                                      398
                                                                                        BNEQU
                                                                                                     30$
                                                                                                                                             NO -- CONTINUE
                                                                      399
                                         006D
                                                                                                                                           : YES -- SUBROUTINE IS FINISHED
                                                                                                     FORM_CONDSX
                                                                                        BRW
                                                                     401
402
403
404
405
                                                                           30$:
                                                          02FF
030A
        0000000'EF
                                                                                                     COND3_T,MSG_A
COND3_TAB[R4],MSG_B
                              000001B5'EF
                                                                                                                                              SAVE ADDRESS OF CONDITION 3 TITLE FOR FAO
                                                    DE
                                                                                         MOVAL
                          000001C3'EF44
                                                    ĎÕ
     0000000'EF
                                                                                        MOVL
                                                                                                                                              SAVE ADDR OF COND 3 CURR TEXT ELT FOR FAO
                                                                                                    #COND3 C.MSG CTXT ; SAVE CONDITION 3 CONTEXT FOR FAO COND3 C.COND3 E[R4],MSG DATA1 ; GIVE COND 3 DATA VALUE TO FAO WRITE MSG2 ; FORMAT AND WRITE CONDITION 3 MSG COND4 C. #NULL ; IS CONDITION 4 NULL ?
                                                          0316
                                                    90
                      0000000'EF
                                                                                        MOVB
                                                          031D
                                                                                        MOV VAL
                                                                                        BSBQ
                                         FCEO
                                                          031D
                                                    30
                                                          0320
0323
0325
0330
                                                    91
                                                                      406
                                                                                        CMPB
                                                                                                    FORM CONDSX ; YES -- SUBROUTINE IS FINISHED COND4_T,MSG_A ; SAVE ADDRESS OF CONDITION 4 TITLE FOR COND4_TABER5],MSG_B ; SAVE ADDR OF COND 4 CURR TEXT ELT FOR COND4_C,MSG_CTXT ; SAVE CONDITION 4 CONTEXT FOR FAO COND4_C,COND4_E[R5],MSG_DATA1 ; GIVE COND 4 DATA VALUE TO FAO WRITE_MSG2 ; FORMAT AND WRITE CONDITION 4 MSG ; IS CONDITION 5 NULL ?
                                                    13
                                                                      407
                                                                                        BEQLU
                                                    DĚ
                                                                      408
        0000000'EF
                              0000025E'EF
                                                                                                                                              SAVE ADDRESS OF CONDITION 4 TITLE FOR FAO
                                                                                         MOVAL
                                                                                                                                              SAVE ADDR OF COND 4 CURR TEXT ELT FOR FAO
                      0000025E1EF45
000000001EF 14
                                                    DŌ
                                                                     409
     00000001EF
                                                                                         MOVL
                                                    90
                                                          033C
                                                                     410
                                                                                        MOVB
                                                          0343
                                                                                        MOV VAL
                                                                     411
                                                          0343
                                                                                        BSBQ.
                                                    30
                                         FCBA
                                                    91
                                                          0346
                                                                                         CMPB
                                                                                                     FORM_CONDSX
COND5_T,MSG_A
                                                    13
                                                          0349
                                                                                                                                           ; YES -- SUBROUTINE IS FINISHED
                                                                     414
                                                                                        BEQLU
                                                          034B
        0000000°EF
                                                                                                                                             SAVE ADDRESS OF CONDITION 5 TITLE FOR FAO
                              0000025F 'EF
                                                    DE
                                                                     415
                                                                                        MOVAL
                          0000025F1EF46
                                                          0356
                                                                                                     COND5_TABER6],MSG_B
    U0000000'EF
                                                    DŌ
                                                                                                                                              SAVE ADDR OF COND 5 CURR TEXT ELT FOR FAO
                                                                     416
                                                                                        MOVL
                                                                                                    #COND5_C, MSG_CTXT ; SAVE CONDITION > LUNIEAR FOR TAG
COND5_C, COND5_E[R6], MSG_DATA1 ; GIVE COND 5 DATA VALUE TO FAO
LIRITE MSG2 ; FORMAT AND WRITE CONDITION 5 MSG
                                                          0362
                                                    90
                                                                     417
                      00000001EF
                                                                                        MOVB
                                                          0369
                                                                                        MOV_VAL
                                                                     418
                                         FC94'
                                                    30
                                                          0369
                                                                     419
                                                                                        BSBQ
                                                                     420
421
                                                          0360
                                                                           FORM_CONDSX:
                                                    05
                                                          0360
                                                                                        RSB
                                                                                                                                           : RETURN TO CALLER
```

.SBTTL VERIFY

424 :++ 425 : FUNCTIONAL DESCRIPTION:

036D 036D

036D 036D

0360

036D 036D

036D 036D 036D

036D 036D 036D

036D 036D 036D 036D

036D

036D 036D

036D

036D

036D 036D

036D 036D

036D 036D

036D

036D 036D 036D 036D

036D

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036D

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036D

036D

036D

036D 036D

036D

036D

036D

036D

036D

036D

0360

036D 036D

036D

036D

4333456789

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456 457

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462 463

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VERIFY IS CALLED ONCE FOR EACH COMBINATION OF CONDITION; TABLE VALUES (AS DETERMINED BY THE INDEX REGISTERS R2,3,4,5,6 FOR; COND TABLES 1,2,3,4,5, RESPECTIVELY). VERIFY ESTABLISHES THE CONDITIONS; SPECIFIED BY THE COND TABLES AND ISSUES THE SUBJECT SYSTEM SERVICE; (\$SUSPND). THEN, THE SUCCESSFUL OPERATION OF THE SERVICE IS VERIFIED; BY EXAMINING THE STATUS CODE RETURNED, THE VALUES FOR RETURN ARGUMENTS; AND THE FUNCTIONALITY PERFORMED. THE EXAMINATIONS TAKE THE FORM OF; COMPARISONS AGAINST EXPECTED VALUES. ANY FAILING COMPARISON CAUSES AN; ERR EXIT MACRO TO BE EXECUTED (EITHER DIRECTLY, OR INDIRECTLY, THROUGH THE SS CHECK MACRO); ERR EXIT SETS EFLAG TO NON-ZERO, PRINTS ERROR MESSAGES AND CAUSES AN IMMEDIATE RSB TO CALLER.

WHEN ERR EXIT IS EXECUTED, FURTHER CALLS TO VERIFY ARE SUPPRESSED, AND, AFTER EXECUTING CLEANUP SUBROUTINES, THE IMAGE EXITS.

CALLING SEQUENCE:

BSBW VERIFY

INPUT PARAMETERS:

NONE

IMPLICIT INPUTS:

R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY. FOR X = 1,2,3,4,5:

FOR X = 1.2.3.4.5 :

CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX
TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
FOR CONDX E.

**OUTPUT PARAMETERS:** 

NCNE

IMPLICIT OUTPUTS:

VERIFY HAS NO OUTPUT. SINCE ITS PURPOSE IS TO TEST FOR ERRORS, IT MERELY RETURNS TO CALLER NORMALLY AFTER THE TESTS, PROVIDING ALL WERE SUCCESSFUL; IF AN ERROR IS DISCOVERED, RETURN IS VIA AN ERR\_EXIT OR SS\_CHECK MACRO, BOTH OF WHICH DOCUMENT DETECTED ERRORS.

COMPLETION CODES:

EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.

SIDE EFFECTS:

SS\_CHECK AND ERR\_EXIT MACROS CAUSE PREMATURE EXIT (VIA RSB) IF ERROR ENCOUNTERED.

```
SATSSS37
                                     SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00
                                                                                                                                               Page
V04-000
                                                                                      5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR:1
                                                                                                                                                       (1)
                                                   480 ;--
                                           036D
                                                   481
                                           036D
                                           036D
                                           036D
                                                   484 VERIFY::
                                      95
13
                                           036D
0373
0375
                      00000001EF
                                                   485
                                                                 TSTB
                                                                          CFLAG
                                                                                                       ; SHOULD CONDITIONS BE PRINTED ?
                                03
                                                   486
                                                                 BEQL
                                                                                                      : NO -- CONTINUE
                                      30
                                                                          FORM_CONDS
                              FFOB
                                                   487
                                                                 BSBW
                                                                                                       : YES -- FMT & PRINT ALL CONDS FOR THIS T.C.
                                           0378
0378
                                                   488 5$:
                      00000114'EF
     0000011C'EF
                                      D0
                                                   489
                                                                 MOVL
                                                                                                       ; ASSUME THE SUBJECT PID IS SELF
                                                                           SELFPID, SUBJPID
                                                                 CLRL
                                      D4
                                           0383
                                                   490
                                                                           ZEROPID
                                                                                                       : CLEAR ZERO PID
                                           0389
0395
0397
   0000024A'EF44
                      0000000'EF
                                      D1
                                                   491
                                                                 CMPL
                                                                           ONES, COND3_E[R4]
                                                                                                       : IS PROCESS FOR THIS TEST CASE SELF ?
                                      12
                                                   492
                                                                 BNEQU
                                                                                                        NO -- CONTINUE
                              0076
                                                                                                       : YES -- DON'T CREATE A PROCESS
                                                                           10$
                                                                 BRW
                                           039A
                                                   494 75:
                                                                 $CREPRC_S PIDADR=CREPID, PRCNAM=SUBJPRN, -
UIC=COND3_E[R4], IMAGE=IMAGNAM, -
                                                   495
                                           039A
                                           039A
                                                   496
                                                   497
                                           039A
                                                                             MBXUNT=MBXUNIT, QUOTA=QUOTALIST
                                                   498
                                           03D5
                                                                                                       : CREATE THE SUBJECT PROCESS
                                           0305
                                                   499
                                                                 SS_CHECK_NORMAL
MOVL CREPID, SUBJPID
                                                                                                          .. AND MAKE SURE IT CREATED OK
      0000011C'EF
                      00000118'EF
                                           0403
                                                   500
                                                                                                        MAKE THE SUBJET PID = THE ONE JUST CREATED
                                           040E
                                      11
                                0B
                                                   501
                                                                                                         ... AND CONTINUE
                                                                 BRB
                                           0410
0410
                                                   502
                                                       10$:
                                                   503
                                                                                                       : ISSUE PRELIM RESUME FOR SELF ...
                                                                 $RESUME_S
                                           041B
                                                   504
                                                                                                       : ... TO OFFSET UPCOMING SUSPND
                                           041B
                                                   505 12$:
   0000010C'EF 59
                                           041B
                    0000016B'EF42
                                                                          COND1_E[R2], DEST_PIDADR ; GET PID ADDRESS OUT OF TABLE
                                                    506
                                                                 MOVL
                   000001AD 'EF43
                                           0427
                                                    507
                                      DO
                                                                           COND2 E [R3] R9
                                                                 MOVL
                                                                                                      : PRCNAM ADDR INTO REG FOR INDIRECT REF'RNCE
                                           042F
                                                    508
                                           042F
042F
                                                   509
                                                         ***** SYSTEM SERVICE CALL WHICH IS THE SUBJECT OF THIS TEST CASE *****
                                                   510
                                           042F
                                                                 $SUSPND_S PIDADR=@DEST_PIDADR, PRCNAM=(R9)
CMPL RO, #SS$_NORMAL ; CODE REC
                                                   511
                                           043E
                                                                                                        CODE RECEIVED = CODE EXPECTED ?
                0000000018F
                                50
                                           0445
                                                    513
                                      13
                                                                 BEQLU
                                                                          18$
                                                                                                         YES -- CONTINUE
                                                                                                        NO -- LOAD UP EXPECTED AND ... RECEIVED VALUES, THEN EXIT
                                           0447
0452
                                                                          #SSS_NORMAL, EXPV
     00000001EF
                      00000000'8F
                                      DO
                                                    514
                                                                 MOVL
                                                   515
                                                                          RO.RECV
                00000000'EF
                                50
                                      DÓ
                                                                 MOVL
                                           0459
                                                                 ERR_EXIT LONG, < INCORRECT STATUS CODE RETURNED FROM SUSPND>
                                                   516
                                           04A8
                                                   517 18$:
                      0000010C'EF
                                           04A8
                                                   518
                                                                          DEST_PIDADR
                                                                 TSTL
                                                                                                         PID RETURNED BY SUSPND ?
                                                                                                        NO -- KEEP GOING
YES -- IS IT THE CORRECT ONE ?
                                      13
                                                    519
                                                                           20$
                                           04AE
                                                                 BEQL
                                 68
                      0000011C'EF
                                           04B0
                                                                 CMPL
      0000010C'FF
                                                    520
                                                                           SUBJPID, adest_pidadr
                                      D1
                                                                           20$
                                                                                                         YES -- CONTINUE
                                      13
                                           04BB
                                                                 BEQL
                                 5B
                                                                 MOVL SUBJPID EXPV : NO --LOAD UP EX MOVL adest PIDADR RECV : RECEIVED V/ERR_EXIT LONG, < INCORRECT PID RETURNED BY SUSPND>
                                           04BD
                                                                                                         NO -- LOAD UP EXPECTED AND
      00000001EF
                      0000011C'EF
                                      D0
                      0000010C'FF
                                           0408
                                                                                                         ... RÉCEIVED VALUES, THEN EXIT
      00000001EF
                                      DO
                                           04D3
                                           0518
                                                       20$:
                                           0518
0523
0525
0528
                      00000118'EF
     0000011C'EF
                                      D1
                                                                           CREPID, SUBJPID
                                                                                                         WAS A PROCESS CREATED ?
                                                                           30$
                                03
                                      13
                                                                 BEQLU
                                                                                                       ; YES -- CONTINUE
                              00D1
                                      31
                                                                 BRW
                                                                                                       : NO -- ALL FINISHED
                                                                           VERIFYX
                                                        30$:
                                                                 $RESUME_S SUBJPID
SS_CHECK NORMAL
                                                                                                         ISSUE OFFSETTING RESUME
                                           0537
                                                    531
                                                                                                         ... AND CHECK IT
                                                                 SWAKE S SUBJPID
SS_CHECK NORMAL
                                           0565
                                                                                                         ALLOW CREATED PROCESS TO FINISH
                                           0574
                                                                                                         CHECK FOR NORMAL STATUS CODE
                                           05A2
                                                                 SQTOW_S CHAN=MBXCHAN, FUNC=#10$_READVBLK. -
                                                    535
                                                                          P1=MBXBUFF+8, P2=MBXBUFF
                                           05A2
                                                    536
                                           05CB
                                                                                                       : ... AND WAIT FOR IT TO SEND MAIL
```

SATS\$\$37 V04-000

SATS SYSTEM SERVICE TESTS \$SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 Page 14 VERIFY 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37 MAR;1 (1)

05CB 537 SS\_CHECK NORMAL ; CHECK FOR NORMAL STATUS CODE 05F9 538 VERIFYX: RSB ; RETURN TO CALLER

```
SATSSS37
V04-000
```

0000011C'EF

00000118'EF

```
SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
                                                                                                                                                          (1)
        05FA
05FA
                                       .SBTTL VFY_CLEANUP
        ÔSFA
                          : FUNCTIONAL DESCRIPTION:
        05FA
                            VFY_CLEANUP EXECUTES SYSTEM SERVICES TO UNDO THE EFFECT OF THOSE ISSUED IN THE VERIFY SUBROUTINE. VFY_CLEANUP MUST
        05FA
        05FA
                            ASSUME THAT VERIFY MAY NOT HAVE EXECUTED IN ITS ENTIRETY (IF AN ERROR IS FOUND). ALSO, VFY CLEANUP MAY ISSUE SS CHECK OR ERR_EXIT ONLY AFTER PERFORMING ALL OF ITS CLEANUP OPERATIONS; THIS IS REQUIRED IN THE EVENT THAT VFY CLEANUP IS CALLED DURING ERROR PROCESSING, WHEN PERFORMING THE REQUIRED CLEANUP IS MORE IMPORTANT THAN
        05FA
        05FA
        05FA
        05FA
        05FA
        05FA
                             POSSIBLY DISCOVERING A SECOND ERROR.
        05FA
        05FA
                            CALLING SEQUENCE:
        05FA
                   556
557
        05FA
                                      BSBW VFY_CLEANUP
        05FA
        05FA
                   558
559
560
561
563
564
                          : INPUT PARAMETERS:
        05FA
        05FA
                                      NONE
        05FA
        05FA
                            IMPLICIT INPUTS:
        05FA
                                      R2,3,4,5,6 CONTAIN CURRENT CONDITION TABLE INDEX VALUES FOR COND TABLES 1,2,3,4,5, RESPECTIVELY.
        05FA
        05FA
                    565
        05FA
                                      FOR X = 1.2.3.4.5
                                                   CONDX E - ADDRESS OF TABLE OF DATA VALUES FOR CONDX TABLE. IF THE CONTEXT OF TABLE X IS A SYSTEM SERVICE
        05FA
                    567
        05FA
        05FA
                   569
570
571
573
574
576
576
578
579
                                                      ARGUMENT, THE ARGUMENT NAME MAY BE USED AS A SYNONYM
        05FA
                                                      FOR CONDX E.
        05FA
        05FA
                            OUTPUT PARAMETERS:
        05FA
        05FA
                                      NONE
        05FA
        05FA
                            IMPLICIT OUTPUTS:
        05FA
        05FA
                                      NONE
        05FA
                   580
5882
5883
5885
5886
5886
5889
5889
        05FA
                            COMPLETION CODES:
        05FA
        05FA
                                      EFLAG SET TO NON-ZERO IF ERROR ENCOUNTERED.
        05FA
        05FA
                            SIDE EFFECTS:
        05FA
                                      SS CHECK AND ERR EXIT MACROS CAUSE PREMATURE EXIT (VIA RSB) IF ERROR ENCOUNTERED.
        05FA
        05FA
        05FA
        05FA
        05FA
                    591
        05FA
        05FA
                   592
593 VFY_CLEANUP::
594 CMPL
595 BNEQU
596 $DELPF
597 VFY_CLEANUPX:
        05FA
                                                                                        ; WAS A PROCESS CREATED FOR THIS TEST CASE ?
                                                  CREPID, SUBJPID VFY_CLEANUPX
        05FA
                                                                                        : NO -- JUST EXIT
                                      BNEQU
  12
        0605
                                      $DELPRC_S SUBJPID
                                                                                         : YES -- DELETE IT
        0607
```

SATSSS37 V04-000

SATS SYSTEM SERVICE TESTS \$SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 VFY\_CLEANUP 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1 05 0616 0617 598 599

RSB .END

; RETURN TO CALLER

```
S
```

```
N 13
SATSSS37
                                       SATS SYSTEM SERVICE TESTS $SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1
                                                                                                                                                    Page
Symbol table
                                                                                                                                                           (1)
SYSSQIOW
SYSSRESUME
SYSSSETPRN
SYSSSETPRV
SYSSUSPND
SYSSWAKE
TESTNUM
                                                          04
04
04
                                        ******
                                        ******
                                                    GX
                                        ******
                                                    GX
                                                          04
                                        ******
                                                    GX
                                                          04
                                        ******
                                                    GX
                                        ******
                                                    GX
                                        ******
TEST_MOD_NAME
TEST_MOD_NAME_D
TEST_MOD_SUCC
TMD_ADDR
TM_CLEANUP
TM_SETUP
VERIFY
                                        00000000 RG
                                                          00000009 R
                                        *****
                                        ******
                                        00000220 RG
                                        00000000 RG
                                        0000036D RG
VERIFYX
                                        000005F9 R
VFY_CLEANUPX
                                        000005FA RG
                                        00000616 R
                                                          04
WORD
                                     = 00000002 G
WRITE_MSG2
                                        *****
ZEROPID
                                        00000110 R
                                                            Psect synopsis!
PSECT name
                                       Allocation
                                                               PSECT No.
                                                                            Attributes
                                       00000000
  ABS
                                                                      0.)
                                                                            NOPIC
                                                              00 (
                                                                                                           LCL NOSHR NOEXE NORD
                                                                                                                                     NOWRT NOVEC BYTE
                                                                                                    ABS
$ABS$
                                       00000000
                                                         0.)
                                                              01 (
                                                                     1.)
                                                                            NOPIC
                                                                                     USR
                                                                                            CON
                                                                                                    ABS
                                                                                                                                        WRT NOVEC BYTE
                                                                                                           LCL NOSHR
                                                                                                                         EXE
                                                                                                                                RD
                                                                      2.)
3.)
4.)
                                                              02 (
RODATA
                                       000000A7
                                                      167.)
                                                                            NOPIC
                                                                                     USR
                                                                                            CON
                                                                                                    REL
                                                                                                                                RD
                                                                                                                                     NOWRT NOVEC LONG
                                                                                                           LCL NOSHR NOEXE
                                                                            NOPIC
RWDATA
                                       00000260
                                                      608.)
                                                                                     USR
                                                                                            CON
                                                                                                                                RD
                                                                                                                                       WRT NOVEC LONG
                                                                                                    REL
                                                                                                           LCL NOSHR NOEXE
                                                  (1559.)
SATSSS37
                                       00000617
                                                              04 (
                                                                            NOPIC
                                                                                     USR
                                                                                            CON
                                                                                                    REL
                                                                                                           LCL NOSHR
                                                                                                                         EXE
                                                                                                                                RD
                                                                                                                                       WRT NOVEC BYTE
                                                        Performance indicators !
Phase
                                                CPU Time
                              Page faults
                                                                  Elapsed Time
Initialization
                                                00:00:00.09
                                                                  00:00:00.36
Command processing
                                       138
                                                00:00:00.78
                                                                  00:00:04.88
                                                00:00:09.15
Pass 1
                                       288
                                                                  00:00:16.95
```

00:00:00.74 Symbol table sort 0 00:00:00.90 00:00:02.20 12Ž 19 00:00:02.69 Pass 2 Symbol iable output 00:00:00.04 00:00:00.04 Psect synopsis output 00:00:00.00 00.00.00 Cross-reference output 00:00:13.10 00:00:25.94 Assembler run totals

The working set limit was 1650 pages.
47640 bytes (94 pages) of virtual memory were used to buffer the intermediate code.
There were 30 pages of symbol table space allocated to hold 489 non-local and 47 local symbols.
599 source lines were read in Pass 1, producing 25 object records in Pass 2.
48 pages of virtual memory were used to define 38 macros.

SATSSS37

VAX-11 Macro Run Statistics

SATS SYSTEM SERVICE TESTS \$SUSPND (SUCC 16-SEP-1984 00:51:44 VAX/VMS Macro V04-00 Page 19 5-SEP-1984 04:30:50 [UETPSY.SRC]SATSSS37.MAR;1 (1)

Macro library statistics !

Macro library name

TOTALS (all libraries)

\$255\$DUA28:[SHRLIB]UETP.MLB;1
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2

Macros defined

896 GETS were required to define 35 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSSS37/OBJ=OBJ\$:SATSSS37 MSRC\$:SATSSS37/UPDATE=(ENH\$:SATSSS37)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

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## DIGITAL EQUIPMENT CORPORATION CONFIDENTIAL AND PROPRIETARY

